

COC# 133

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

(425) 420-9200 FAX 420-9210
(509) 924-9200 924-9290
(503) 906-9200 FAX 906-9210
(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M107003

CLIENT: BRISTOL		INVOICE TO: BRISTOL										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div>10 7 5 4 3 2 1 <1</div> <div>STD. Petroleum Hydrocarbon Analyses</div> </div> <div style="display: flex; justify-content: space-around;"> <div>5 4 3 2 1 <1</div> <div>STD. Please Specify</div> </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">OTHER</div>					
REPORT TO: ANNE KRANAWETTER		P.O. NUMBER: 21090															
ADDRESS: AMCHITKA ISLAND, AK																	
PHONE: 907-770-0974 FAX: 770-0975																	
PROJECT NAME: AMCHITKA		REQUESTED ANALYSES															
PROJECT NUMBER: 21090																	
SAMPLED BY:																	
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	DRO	BTEX/nap											MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. OIAMC7201SL	7/2/01 0940	✓	✓											S	2		
2. OIAMC7202SL	7/2/01 0945	✓	✓											S	2		
3.																	
4.																	
5.																	
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14.																	
15.																	

RELINQUISHED BY: [Signature]	FIRM: BRISTOL	DATE: 7/2/01	TIME: 1814	RECEIVED BY: [Signature]	FIRM: NCA	DATE: 7/2	TIME: 1814
RELINQUISHED BY:	FIRM:	DATE:	TIME:	RECEIVED BY:	FIRM:	DATE:	TIME:
PRINT NAME:	FIRM:	DATE:	TIME:	PRINT NAME:	FIRM:	DATE:	TIME:

ADDITIONAL REMARKS: AGT C7-2 AREA Non-Regulated		TEMP:	PAGE OF
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541.383.9310 fax 541.382.7588

7 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 07/02/01 18:14. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M107003



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/04/01 12:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMC7201SL	M107003-01	Soil	07/02/01 09:40	07/02/01 18:14
01AMC7202SL	M107003-02	Soil	07/02/01 09:45	07/02/01 18:14

COC #133

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/04/01 12:43

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC7201SL (M107003-01) Soil						Sampled: 07/02/01 Received: 07/02/01		D-14	
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	07/02/01	07/02/01	0107010	
Surr: 1-Chlorooctadecane	80.4 %	50-150							
Surr: Triacontane	92.7 %	50-150							
01AMC7202SL (M107003-02) Soil						Sampled: 07/02/01 Received: 07/02/01			
Diesel Range Organics	846	150	mg/kg dry	1	AK 102	07/02/01	07/02/01	0107010	D-16
Surr: 1-Chlorooctadecane	84.5 %	50-150							
Surr: Triacontane	95.1 %	50-150							

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Project: Amchitka
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Reported:
07/04/01 12:43

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMC7201SL (M107003-01) Soil

Sampled: 07/02/01 Received: 07/02/01

Benzene	ND	0.0380	mg/kg dry	50	1B BTEX/MTI	07/03/01	07/04/01	0107019	
Toluene	ND	0.152	"	"	"	"	"	"	
Ethylbenzene	ND	0.152	"	"	"	"	"	"	
Xylenes (total)	ND	0.304	"	"	"	"	"	"	
Naphthalene	ND	1.52	"	"	"	"	"	"	

Surr: 4-BFB 73.0 % 50-150

01AMC7202SL (M107003-02) Soil

Sampled: 07/02/01 Received: 07/02/01

Benzene	ND	0.0394	mg/kg dry	50	1B BTEX/MTI	07/03/01	07/04/01	0107019	
Toluene	ND	0.158	"	"	"	"	"	"	
Ethylbenzene	ND	0.158	"	"	"	"	"	"	
Xylenes (total)	ND	0.316	"	"	"	"	"	"	
Naphthalene	ND	1.58	"	"	"	"	"	"	

Surr: 4-BFB 57.7 % 50-150

North Creek Analytical - Mobile Lab

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Reported:
07/04/01 12:43

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC7201SL (M107003-01) Soil					Sampled: 07/02/01 Received: 07/02/01				
% Solids	77.2	0.0100 % by Weight		1	Gravimetric	07/02/01	07/03/01	0107014	
01AMC7202SL (M107003-02) Soil					Sampled: 07/02/01 Received: 07/02/01				
% Solids	80.1	0.0100 % by Weight		1	Gravimetric	07/02/01	07/03/01	0107014	

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/04/01 12:43

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107010 - 3545 ASE

Blank (0107010-BLK1)

Prepared & Analyzed: 07/02/01

Diesel Range Organics	ND	150	mg/kg wet						
Surr: 1-Chlorooctadecane	20.7		"	23.7		87.3	50-150		
Surr: Triacontane	21.8		"	23.5		92.8	50-150		

LCS (0107010-BS1)

Prepared & Analyzed: 07/02/01

Diesel Range Organics	1050	150	mg/kg wet	1250		84.0	75-125		
Surr: 1-Chlorooctadecane	17.5		"	23.7		73.8	50-150		
Surr: Triacontane	20.8		"	23.5		88.5	50-150		

LCS Dup (0107010-BSD1)

Prepared & Analyzed: 07/02/01

Diesel Range Organics	1120	150	mg/kg wet	1250		89.6	75-125	6.45	20
Surr: 1-Chlorooctadecane	20.2		"	23.7		85.2	50-150		
Surr: Triacontane	20.9		"	23.5		88.9	50-150		

Matrix Spike (0107010-MS1)

Source: M106095-07RE1

Prepared & Analyzed: 07/02/01

Diesel Range Organics	1720	150	mg/kg dry	1570	ND	109	60-140		
Surr: 1-Chlorooctadecane	24.5		"	29.8		82.2	50-150		
Surr: Triacontane	28.2		"	29.6		95.3	50-150		

North Creek Analytical - Mobile Lab

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Reported:
07/04/01 12:43

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107019 - MeOH Extraction

Blank (0107019-BLK1)

Prepared & Analyzed: 07/04/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.30 " 2.50 92.0 50-150

LCS (0107019-BS1)

Prepared & Analyzed: 07/04/01

Benzene	2.02	0.0250	mg/kg wet	2.50	80.8	69-138
Toluene	2.20	0.100	"	2.50	88.0	53-151
Ethylbenzene	2.47	0.100	"	2.50	98.8	61-141
Xylenes (total)	7.07	0.200	"	7.50	94.3	62-141
Naphthalene	2.51	1.00	"	2.50	100	65-135

Surr: 4-BFB 2.57 " 2.50 103 50-150

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Reported:
07/04/01 12:43

Notes and Definitions

D-14 Hydrocarbon pattern and range are consistent with RRO, estimated at 286 mg/kg.

D-16 Detected hydrocarbons in the diesel do not have a distinct diesel pattern and may be due to heavily weathered diesel.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M107003 FINAL 07 04 01 1243.mdb Default Report (not modified)
M107003-01	AK102 (DRO)		D-14
M107003-02	AK102 (DRO)	Diesel Range Organics	D-16